



ATTORNEY DOCKET NO.: MSI-107-CIP

2834  
#2/IDS.  
Hawkins  
PATENT  
6-19-02

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Toda

Serial No.: 10/026,008

Group Art Unit: 2834

Filed: December 21, 2001

Examiner: Not Yet Assigned

For: CYLINDRICAL TRANSDUCER APPARATUS

I hereby certify that this document and fee is being deposited on June 5, 2002 with the U.S. Postal Service as First Class Mail under 37 CFR 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

By: Suzanne M. Zajot

Commissioner for Patents  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER**

Dear Sir:

Enclosed herewith is an Information Disclosure Statement pursuant to 37 CFR. § 1.56 in connection with the above-identified application, which statement is being filed:

- ☐ Together with the present application.
- ☒ Before the first Office Action on the merits or three (3) months from the filing date of this application, whichever occurs last. [37 CFR § 1.97(b)]
- ☐ After the first Office Action on the merits, but before a Final Office Action under §1.113 or Notice of Allowance under §1.311, whichever occurs first. [37 CFR § 1.97(c)]
- ☐ After a Final Office Action under §1.113 or Notice of Allowance under §1.311, but prior to or with payment of the Issue Fee. [37 CFR § 1.97(d)]

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Consistent with Applicant's obligations pursuant to 37 CFR §§1.97 and 1.98, the following requirements have been met:

☒ [X] No separate requirements are needed.

☒ [X] No additional fee is required.

☐ [ ] **Fee Under 37 CFR § 1.97(c)**

The fee of \$180.00 for submission of an IDS under § 1.97(c) as set forth in § 1.17(p) accompanies this statement.

☐ [ ] **Petition Under 37 CFR § 1.97(d)**

This is a petition requesting consideration of an IDS under § 1.97(d). The petition fee of \$130.00 set forth in § 1.17(i)(1) accompanies this petition.

☐ [ ] **Certification Under 37 CFR § 1.97(e)**

- ☐ ( ) Each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; or
- ☐ ( ) No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement.

**Provision of Copies of References**

- ☐ A copy of each of the references listed on the attached Form PTO-1449 is enclosed herewith and forms a part hereof.
- ☐ Partial Translations of References are enclosed herewith and form a part hereof.
- ☐ A copy of the European Search Report from a corresponding or related EPO application is enclosed herewith.
- ☐ A copy of the International Search Report from a corresponding or related PCT application is enclosed herewith.

**Identification of Prior Application(s) In Which Listed Information Was Already Cited And For Which No Copies Are Submitted Or Need Be Submitted**

- ☒ This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior U.S. Application No(s). 09/566,612. The references listed on the enclosed PTO-1449 were submitted to, and/or cited by, the Office in the prior application(s) and therefore are not required to be provided in this application:
- ☒ The Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. 50-2061. A duplicate copy of this transmittal is attached.

Respectfully submitted,



Edward J. Howard  
Registration No. 42,670  
Attorney for Applicant(s)

DATE: June 5, 2002

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PTN\23636.1

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

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MSI-107

SERIAL NO.  
10/026,008

CYLINDRICAL TRANSDUCER APPARATUS

FILING  
12/21/01

GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,361,240	11/94	Pearce	310	800	
	3,832,580	8/74	Yamamuso et al	310	800	
	4,825,116	4/89	Itoh et al.	310	800	
	4,486,869	12/84	Carter	310	800	
	3,862,477	1/75	Ayers et al.	310	800	
	3,792,204	2/74	Murayama et al.	310	800	
	5,357,486	10.94	Pearce	310	800	
	4,558,249	12/10/85	Lerch et al.	310	800	
	4,064,375	12/20/77	Russell et al.	179	110	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	M. Tamura et al., "Electroacoustic Transducers with Piezoelectric High Polymer Films", J. Audio-Eng. Soc. vol. 23, No. 1, pp. 21-26, (1975).
	Fiorillo, A.S., "Design and Characterization of a PVDF Ultrasonic Range Sensor", IEEE Trans. Ultrasonics, Ferroelectrics and Frequency Control", Vol. 39, No. 6, pp. 688-692 (1992).

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

		Schoenwald et al., "PVDF2 Transducers for Acoustic Ranging and Imaging in Air", IEEE Ultrasonics Symposium 1983, pp. 577-580.

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